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AAGESEN TO *EP -244-379-A
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Drinking cup - has cover comprising drinking spout and syringe
holder with medicine passage extending to spout outlet
C87-131413 R(AT BE CH DE ES FR GB GR IT LI LU NL SE)

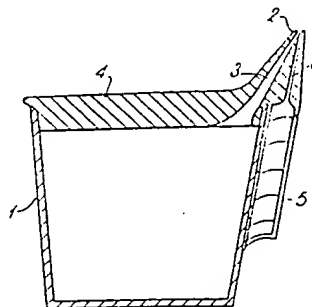
A drinking cup cover (4) has a spout (2) with a drinking
passage (3), and also a holder (5) for a medicine dispenser
such as a syringe. A medicine passage (6) in the holder (5)
extends to the spout drinking passage outlet (2).

Pref. the cover, spout and holder are all in one piece.

USE

Admin. of medicines to children and to aged persons.
(7pp006DAHDwg.No2/2).
(E) ISR: US2787267 US4581013 US3302644 US2698996.

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EUROPEAN PATENT APPLICATION

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(71) Applicant: **Aagesen, Tor Oyvind**
Heisel 22
N-4700 Vennesla(NO)

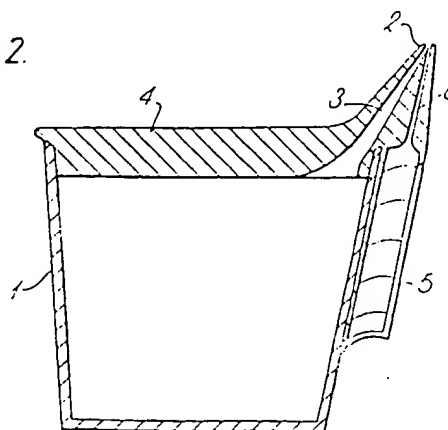
(72) Inventor: **Aagesen, Tor Oyvind**
Heisel 22
N-4700 Vennesla(NO)

(74) Representative: **Örtenblad, Bertil Tore**
Noréns Patentbyrå AB Box 27034
S-102 51 Stockholm(SE)

(54) Drinking cup with device for administering medicines.

(57) A device in connection with a cup (1) having a cover (4) with a drinking passage (3) in a spout (2) is characterized by an adapter or a holder (5) for receiving and holding a syringe or the like, and a medicine passage (6) extending from said adapter (5) to the area of the outlet of drinking passage (3).

Fig.2.



A device in connection with a cup with a cover.

The present invention relates to a device in connection with a cup with a cover and a drinking channel provided in a spout.

A standard drinking cup for children is of a kind that is provided with two hanks, one at each side, and with a cover with a spout.

Cups of this kind contribute to avoid a mess when children drink beverages.

There is, however, a problem arising if children, or possibly other users who cannot help themselves, are prescribed a medicine to be taken with a beverage and the nature of the medicine does not permit the medicine to be taken with the beverage in the cup.

Previously, it was necessary, sometimes with exertion of mild force, to insert the medicine into the recipient's mouth and then administer a beverage to take the taste away. A situation might readily arise with the recipient spitting out the medicine, e.g. because it has an awful taste. Also, the recipient, often a child, may swallow part of the medicine the wrong way which, in fact, represents a health hazard.

It is, thus, an object of the present invention to remedy the shortcomings of the known technology and to provide an aid to make it easier to administrate medicines, especially to children.

The invention, thus, relates to a device in connection with a cup with a cover and a drinking channel in a spout, and the invention is characterized by an adapter or a holder to receive and hold a syringe, or the like, as well as a medicine passage from said adapter to the area of the outlet of said

medicine passage.

In a preferred embodiment of the invention adapters and said medicine passage are shaped in one piece with said cover.

5 In another preferred embodiment of the invention said medicine passage opens adjacent to but separated from said drinking passage.

10 The invention is described in more detail below with reference to the accompanying drawings, wherein

Figure 1 shows the cup in a front view, and

15 Figure 2 is a sectional view of the cup.

In the shown and preferred embodiment cup 1, in a manner known per se is provided with two handles or the like. Said cup is closed by a cover 4 with a spout for drinking, which has a drinking passage 3.

20 In the shown and preferred embodiment an adapter 5 is shown and is intended for receiving and holding a conventional syringe, not shown. The syringe is inserted into adapter 5 and is in contact with the lower end of medicine passage 6 and will be firmly held there the wings of said adapter being shaped so as to form an opening that is slightly smaller than the syringe.

30 A suitable size for use is a conventional 5 ml syringe.

When medicine is to be administered, cup 1 is filled with a beverage in a conventional manner, and the syringe is filled with medicine to be administered. The syringe is then pushed into adapter 6.

35 When the recipient of medicine drinks, the person administering medicine can all the time release small or large

doses, depending on the willingness to drink and the receiving capacity of the recipient. This may be achieved, e.g. by slight pressures on the plunger of the syringe.

5 With a device as disclosed above the hazard of wasting expensive medicine, and the hazard of the recipient swallowing the medicine the wrong way is reduced to a minimum, since beverage from passage 3 will rapidly transport the medicine from passage 6 through the recipient's mouth and throat into
10 his or her stomach.

In the figures the invention is shown in a preferred embodiment with adapter 5 and medicine passage 6 shaped in one piece with cover 4. However, there is a possible solution
15 with adapter 5 and passage 6 shaped in one piece with the cup, and such an embodiment is to be regarded as within the scope of the invention.

The invention is, furthermore, shown in a preferred embodiment with medicine passage 6 and drinking passage 2 opening
20 at separate places but close to each other. This will reduce to a minimum any hazard of having beverage from cup 1 unintentionally sucked back to the not shown syringe when administration of medicine has stopped.

25 In the preferred embodiment covers of the disclosed kind may be produced for use with existing cups, and the invention, thus, represents a simple and inexpensive aid for use in health institutions and hospitals, and in homes for the aged,
30 and nursing homes, generally, everywhere where administration of medicine may be difficult.

CLAIMS:

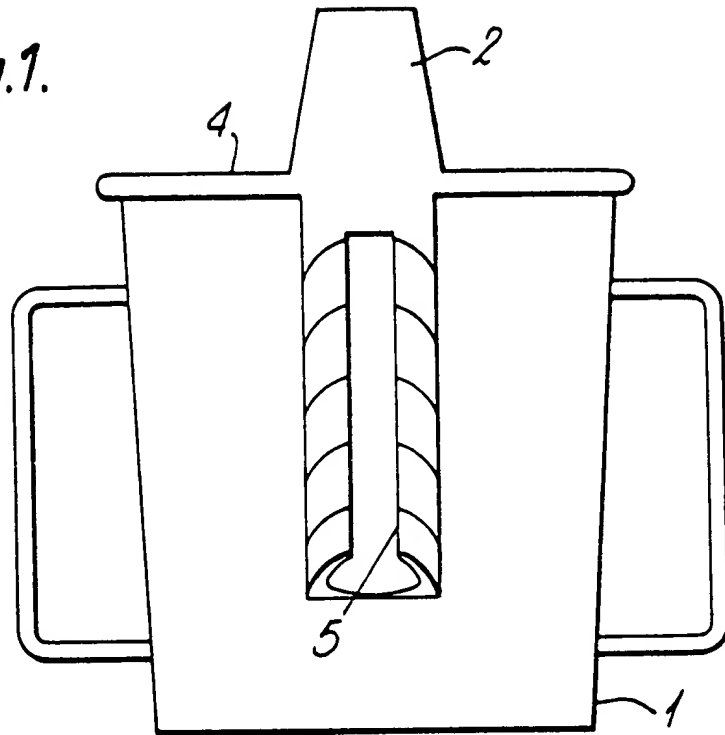
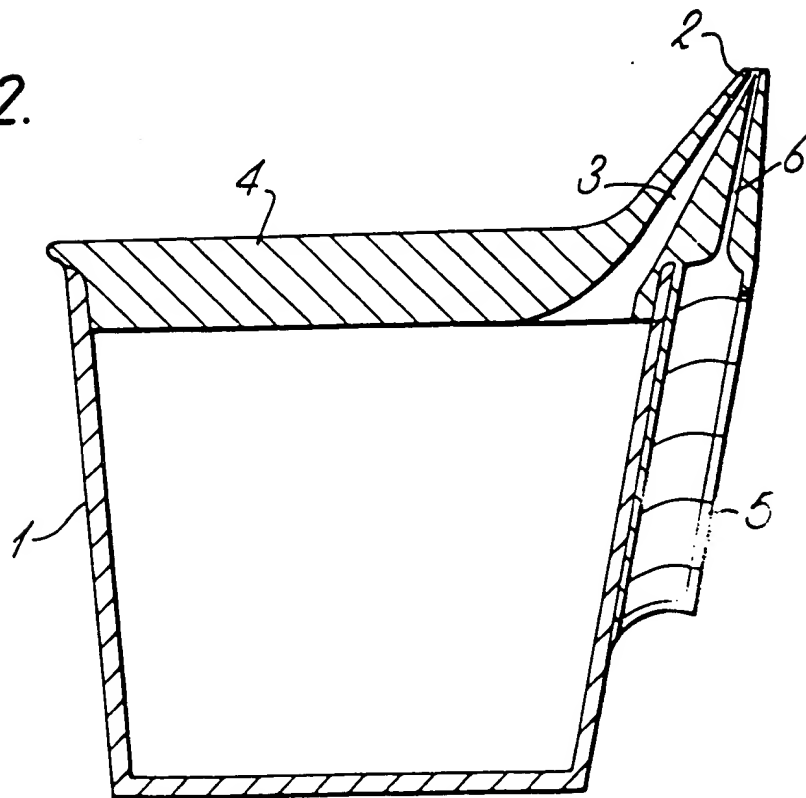
1. A device in connection with a cup (1) having a cover
(4) with a drinking passage (3) in a spout (2),
5 c h a r a c t e r i z e d i n an adapter or a holder
(5) for receiving and holding a syringe or the like, and a
medicine passage (6) extending from adapter (5) to the area
of the outlet of drinking passage (3).
- 10 2. A device as defined in claim 1,
c h a r a c t e r i z e d i n that said adapter (5), and
medicine passage (6) are formed in one piece with cover (4).
- 15 3. A device as defined in claims 1 and 2,
c h a r a c t e r i z e d i n that said medicine passage
(6) opens close to, but separated from said drinking
passage.

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Fig.1.*Fig.2.*



European Patent
Office

EUROPEAN SEARCH REPORT

0244379

Application number

EP 87 85 0122

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	US-A-2 787 267 (PAIANO) * Figure 2; column 2, lines 51-72 *	1,3	A 61 J 7/00 A 47 G 19/22
A	--- US-A-4 581 013 (ALLEN) * Figure 1 *	1	
A	--- US-A-3 302 644 (KENNEDY) * Figures 1,4; column 1, lines 29-45 *	1,2	
A	--- US-A-2 698 996 (HICKERSON) * Figure 2 * -----	1	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int. Cl. 4) A 61 J A 47 G
Place of search THE HAGUE		Date of completion of the search 20-07-1987	Examiner BEUGELING G.L.H.
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			